C-Series Medical (CM-Series) "Fanless Cool and Quiet" All-in-One LCD Desktop Touchcomputers for Healthcare Settings

In a stylish, compact design, the Elo TouchSystems CM-Series provides highly configurable, ruggedized touch-computers, in two screen sizes: 19-inch and 22-inch, plus the choice of industry-leading TE touchscreen technologies. The CM-Series touchcomputer family has been developed to meet the needs of a wide variety of venues, including nursing stations, computer-aided therapy, electronic medical record keeping, paperless charting, patient self check-in/registration or point–of-information installations.

The CM-Series is compliant with multiple safety and electrical certifications including EN60601-1. In addition, the CM-Series is RoHS compliant, and includes an enclosure design that is resistant to dripping water with an IPX1 rating, protecting the unit from liquid drops and spills. As a result the CM-Series is an excellent fit for a wide variety of settings, including healthcare.

The CM-Series touchcomputers bring flexibility with your choice of configuration and connectivity, serviceability with easy access to key components, and a choice in processing power. In addition, an array of field-installable peripherals, spill-resistant sealing, and a selection of input/output port connection options make the CM-Series both versatile and powerful. It is designed with the future in mind, allowing easy field serviceability or upgrades of all of the main components.

The CM-Series is engineered for flexibility, with optional memory and storage configurations, as well as scalable computing power featuring two high-performance processor configurations:

- "Fanless Cool and Quiet" 19CM2 and 22CM2 with Intel Atom Dual-Core 1.66 GHz
- For a higher powered solution, consider the "Performance Ultra" 19CM3 and 22CM3 solutions with a cooling fan and Intel Core 2 Duo 3.0 GHz

Features
- UL 60601-1, cUL CSA C22.2 No 601.1-M90, TUV (EN60601-1, IEC60601-1), CB (IEC60601-1) certified and IPX1 drip-proof ratings
- 19″ and 22″ HD wide-screen display options
- A choice of high performance CPU options
- PCI Express expansion capabilities
- Optional second VGA output port for an additional display
- Pole mount or stable stand and tilt display
- Three touchscreen technologies available:
  - AccuTouch (zero-bezel resistive)
  - IntelliTouch Plus (multi-touch surface acoustic wave)
  - iTouch (zero-bezel surface acoustic wave)

TOUCH SOLUTIONS

CM-Series "Fanless Cool and Quiet" All-in-One LCD Desktop Touchcomputers

Computer Specifications

	19CM2 Medical 19-inch model:	22CM2 Medical 22-inch model:
Enclosure color	White	
Processor	Intel 1.66GHz Atom Dual-Core D510, 1MB L2 Cache, 533MHz System Bus	
Chipset	Intel NM10 Express	
Video	Intel GMA 3150	
BIOS	AMI	
Memory (RAM)/800 MHz min	2GB DDR2 DIMM on 1 of 2 slots (expandable to 4GB maximum on 2 slots)	
Hard Disk Drive	160GB 2.5" SATA HDD	
USB Ports	6 x USB 2.0 (4 on I/O, 2 x USB front access). Additional internal ports available.	
Serial Ports	2 x USB-to-Serial RS-232 (standard)	
Ethernet Port	1 x LAN RJ45 (Gigabit)	
Audio Ports	1 x 3.5mm line in; 1 x 3.5mm line out	
Speakers	Two 2W internal speakers	
Operating System Options	No Operating System; Microsoft Windows 7 Professional (32-bit only)	
Languages	Windows 7—35 Language groups	
Power Supply	External 12VDC universal-type power supply brick; AC input voltage: 100-240VAC; Input frequency: 50-60Hz; maximum output power: 180W (max draw: 205W)	
Power Consumption (max.)	54W (without peripherals)	
Touchcomputer Dimensions (max. with stand, dimensions vary with tilt and options)	18.7" x 14.9" x 8.9" (475mm x 380mm x 226mm)	21.2" x 15.3" x 8.9" (540mm x 389mm x 226mm)
Shipping Box Dimensions	23.2" x 19.5" x 14.2" (590mm x 495mm x 360mm)	26" x 20.3" x 14.2" (660mm x 516mm x 360mm)
Weight (with stand)	20.1lbs (9.1kg)	22.2lbs (10.1kg)
Weight (without stand)	16.1lbs (7.3kg)	18.3lbs (8.3kg)
Shipping Weight	30.1lbs (13.7kg)	32.8lbs (14.9kg)
Temperature	Operating: 0°C to 35°C (32°F to 95°F); Storage: -30°C to 60°C (-22°F to 140°F)	
Humidity (non-condensing)	Operating: 20% to 80% Storage: 5% to 95%	
Backlight Lamp Life	Minimum 50,000 hours to half brightness	
Warranty	3 years	
MTBF	50,000 hours demonstrated	
Agency Certification	UL (UL 60601-1), cUL (CAN/CSA-C22.2 No. 601.1-M90), TUV (EN 60601-1), CB (IEC 60601-1), IPX1, FCC (Class A), CE (Class A), VCCI (Class A), C-Tick (Class A), NOM COC, AR, GOST-R; Elo Declarations: RoHS, WEEE, CE	
Other Features	Serviceable internal components; touchscreen sealed to bezel (IntelliTouch Plus); touchscreen sealed to sub-bezel (AccuTouch, iTouch); touchscreen sealed to LCD (all); IPX1 drip-proof rating	

Display Specifications

	19CM2 Medical 19-inch model:	22CM2 Medical 22-inch model:
Display	18.5" diagonal active matrix TFT LCD	21.5" diagonal active matrix TFT LED LCD
Aspect Ratio	16:9 (wide)	
Useful Screen Area (H x V)	16.1" x 9.1" (409.8mm x 230.4mm)	18.8" x 10.6" (476.64mm x 268.11mm)
Native (optimal) Resolution	1366 x 768 @ 60Hz	1920 x 1080 @ 60Hz
Colors	16.7 million	
Brightness (typical)	LCD panel: 250 nits; AccuTouch: 200 nits; IntelliTouch Plus: 225 nits; iTouch: 225 nits	
Response Time (typical)	Total: 5 msec	
Viewing Angle (typical)	Horizontal: ±85° or 170° total; Vertical: ±80° or 160° total	
Contrast Ratio (typical)	1000:1	
Available Touch Technologies	AccuTouch (zero-bezel resistive); IntelliTouch Plus (multi-touch surface acoustic wave); iTouch (zero-bezel surface acoustic wave)	

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C-Series Medical (CM-Series) "Performance Ultra" All-in-One LCD Desktop Touchcomputers for Healthcare Settings

In a stylish, compact design, the Elo TouchSystems CM-Series provides highly configurable, ruggedized touchcomputers, in two screen sizes: 19-inch and 22-inch, plus the choice of industry-leading TE touchscreen technologies. The CM-Series touchcomputer family has been developed to meet the needs of a wide variety of venues, including nursing stations, computer-aided therapy, electronic medical record keeping, paperless charting, patient self check-in/registration or point–of-information installations.

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The CM-Series touchcomputers bring flexibility with your choice of configuration and connectivity, serviceability with easy access to key components, and a choice in processing power. In addition, an array of field-installable peripherals, spill-resistant sealing, and a selection of input/output port connection options make the CM-Series both versatile and powerful. It is designed with the future in mind, allowing easy field serviceability or upgrades of all of the main components.

The CM-Series is engineered for flexibility, with optional memory and storage configurations, as well as scalable computing power featuring two high-performance processor configurations:

- "Performance Ultra" 19CM3 and 22CM3 Fan-cooled Intel Core 2 Duo 3.0 GHz
- For a quiet, lower power option there is the "Fanless Cool and Quiet" 19CM2 and 22CM2 Intel Atom Dual-Core 1.66 GHz

Features

- UL 60601-1, cUL CSA C22.2 No 601.1-M90, TUV (EN60601-1, IEC60601-1), CB (IEC60601-1) certified and IPX1 drip-proof ratings
- 19" and 22" HD wide-screen display options
- A choice of high performance CPU options
- PCI Express expansion capabilities
- Optional second VGA output port for an additional display
- Pole mount or stable stand and tilt display
- Three touchscreen technologies available:
    • AccuTouch (zero-bezel resistive)
    • IntelliTouch Plus (multi-touch surface acoustic wave)
    • iTouch (zero-bezel surface acoustic wave)

CM-Series "Performance Ultra" All-in-One LCD Desktop Touchcomputers

Computer Specifications

	19CM3 19-inch model:	**22CM3 22-inch model:**
Enclosure color	White	
Processor	Intel 3.0GHz Core 2 Duo E8400, 6MB L2 Cache, 1333MHz System Bus	
Chipset	Intel G41 Express	
Video	Intel GMA X4500	
BIOS	AMI	
Memory (RAM)/800 MHz min	2GB DDR2 DIMM on 1 of 1 slots (replaceable with 4GB maximum on 1 slot)	
Hard Disk Drive	160GB 2.5" SATA HDD	
USB Ports	6 x USB 2.0 (4 on I/O, 2 x USB front access). Additional internal ports available.	
Serial Ports	2 x USB-to-Serial RS-232 (standard)	
Ethernet Port	1 x LAN RJ45 (Gigabit)	
Audio Ports	1 x 3.5mm line in; 1 x 3.5mm line out	
Speakers	Two 2W internal speakers	
Operating System Options	No Operating System; Microsoft Windows 7 Professional (32-bit only)	
Languages	Windows 7—35 Language groups	
Power Supply	External 12VDC universal-type power supply brick; AC input voltage: 100-240VAC; Input frequency: 50-60Hz; maximum output power: 180W (max draw: 205W)	
Power Consumption (max.)	54W (without peripherals)	
Touchcomputer Dimensions (max. with stand, dimensions vary with tilt and options)	18.7" x 14.9" x 8.9" (475mm x 380mm x 226mm)	21.2" x 15.3" x 8.9" (540mm x 389mm x 226mm)
Shipping Box Dimensions	23.2" x 19.5" x 14.2" (590mm x 495mm x 360mm)	26" x 20.3" x 14.2" (660mm x 516mm x 360mm)
Weight (with stand)	20.6lbs (9.4kg)	22.7lbs (10.3kg)
Weight (without stand)	16.7lbs (7.6kg)	18.7lbs (8.5kg)
Shipping Weight	30.9lbs (14.0kg)	33.0lbs (15.0kg)
Temperature	Operating: 0°C to 35°C (32°F to 95°F); Storage: -30°C to 60°C (-22°F to 140°F)	
Humidity (non-condensing)	Operating: 20% to 80% Storage: 5% to 95%	
Backlight Lamp Life	Minimum 50,000 hours to half brightness	
Warranty	3 years	
MTBF	50,000 hours demonstrated	
Agency Certification	UL (UL 60601-1), cUL (CAN/CSA-C22.2 No. 601.1-M90), TUV (EN 60601-1), CB (IEC 60601-1), IPX1, FCC (Class A), CE (Class A), VCCI (Class A), C-Tick (Class A), NOM COC, AR, GOST-R; Elo Declarations: RoHS, WEEE, CE	
Other Features	Serviceable internal components; touchscreen sealed to bezel (IntelliTouch Plus); touchscreen sealed to sub-bezel (AccuTouch, iTouch); touchscreen sealed to LCD (all); IPX1 drip-proof rating	

Display Specifications

	19CM3 19-inch model:	**22CM3 22-inch model:**
Display	18.5" diagonal active matrix TFT LCD	21.5" diagonal active matrix TFT LED LCD
Aspect Ratio	16:9 (wide)	
Useful Screen Area (H x V)	16.1" x 9.1" (409.8mm x 230.4mm)	18.8" x 10.6"(476.64mm x 268.11mm)
Native (optimal) Resolution	1366 x 768 @ 60Hz	1920 x 1080 @ 60Hz
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